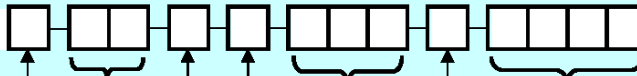


# 8 Ordering information

## 8.1 Ordering code for GTF 111-Ex-... probes

### Ordering information for GTF 111-Ex ... Probes

GTF 111-Ex-



**Protection type:**

- e Gas: increased safety, encapsulation (em)  
- only permitted for zone 1 and 2
- Dust: encapsulation (mb)  
- only permitted for zone 21 and 22
- i intrinsic safety

**Potentially explosive atmospheres:**

- Gases:
- 00 zone 0
- 01 zone 1 and zone 2
- Dusts:
- 20 zone 20
- 21 zone 21 and zone 22

**Sensor-element:**

- P Pt100
- T Pt1000

**Neck tube: (length till tube sleeve for depth stop)**

- K without neck tube (for T ≤ 100 °C)
- M with neck tube (for T > 100 °C - please refer to note below)

**Neck tube length:**

- xxx length in mm
- e.g. 050 (= standard length)

**Probe tube diameter:**

- x 3, 4, 5, 6 or 8 mm
- Hint:**
- observe for D = 3 mm:
  - minimum probe length is 60 mm
  - the probe diameter is reduced, tube top D = 3 mm (for approx. 30 mm) after this D = 6 mm

**Probe length (fitting length):**

- xxxx length in mm
- e.g. 0100 (= 100 mm)

**Notify for ambient temperature:**

<u>intrinsic safety type</u>	
zone 0, 20:	-20 °C ... +60 °C
zone 1, 2, 21, 22:	-20 °C ... +80 °C
<u>type with increased safety</u>	
zone 1, 2, 21, 22:	-20 °C ... +60 °C

**Recommended min. neck tube length according max. meas. range:**

Neck tube construction:	measuring range:	
	Pt 100	Pt 1000
- without neck tube	-200 ... +100 °C	-70 ... +100 °C
- neck tube above 50 mm	-200 ... +250 °C	-70 ... +250 °C
- neck tube above 100 mm	-200 ... +400 °C	-70 ... +400 °C
- neck tube above 200 mm	-200 ... +600 °C	-70 ... +600 °C

*For reference only! The length should be selected so that the max. specified ambient temperature of the cable sleeve is not exceeded in your installation situation.*

**Ordering example:** GTF 111-Ex for protection type "i", Ex-zone 21, with Pt100, neck tube length: 50 mm, probe diameter: 6 mm, probe length: 200 mm

GTF 111-Ex- **i** **21** **P** **M** **050** **6** **0200**